

FIG 1

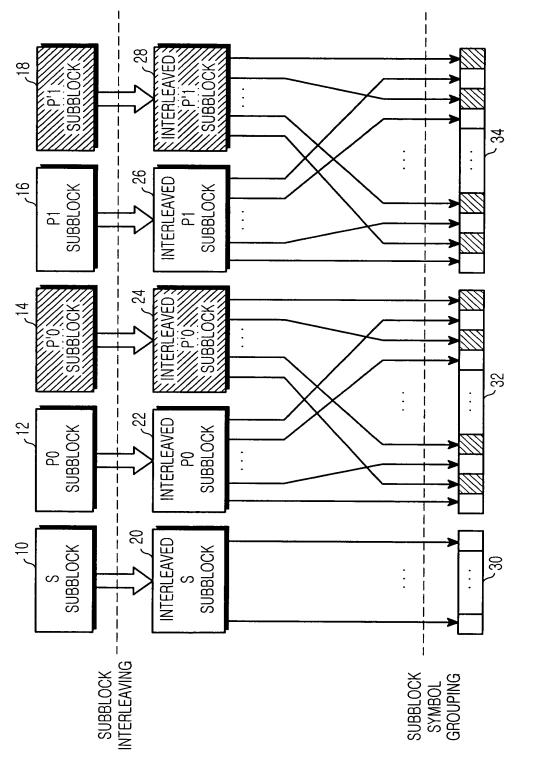


FIG.2

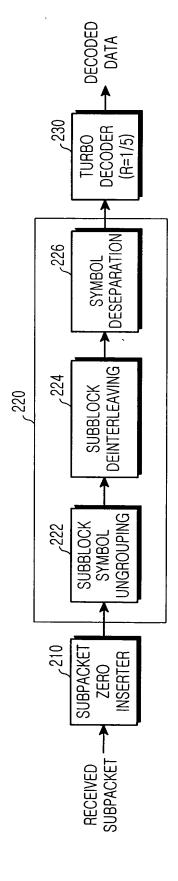


FIG.

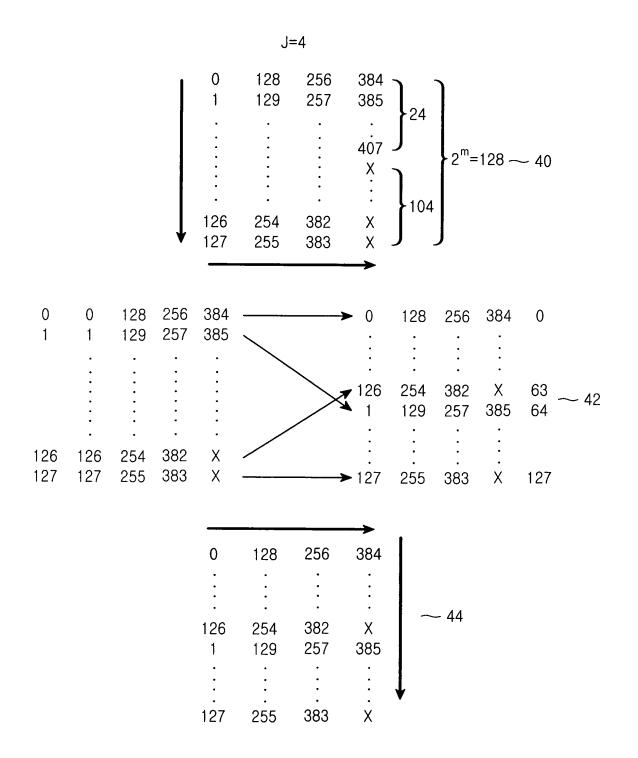


FIG.4

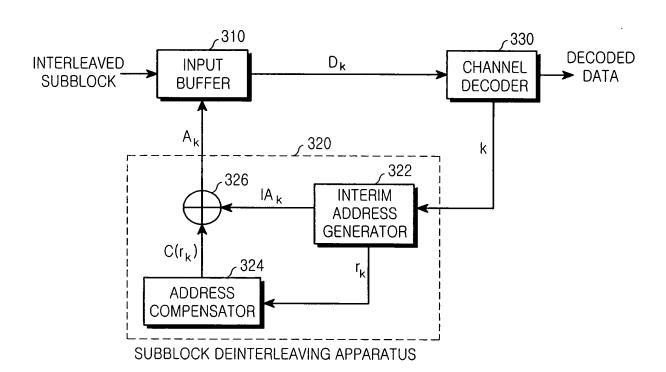


FIG.5

EXAMPLE) m=4, J=2, and R=4

ROW INDEX	BEFORE ROW BRO	AFTER ROW BRO
0	0 [16]	0 [16]
1	1 [17]	8
2	2 [18]	4
3	3 [19]	12
4	4	2 [18]
5	5	10
6	6	6
7	7	14
8	8	1 [17]
9	9	9
10	10	5
11	11	13
12	12	3 [19]
13	13	11
14	14	7
15	15	15

FIG.6

C.S. INDEX : k	0 222	ω	4	2	2 (18)	9	9	4	- [17]	თ	ည	5	3	=	0 8 4 12 2 10 6 14 1 9 5 13 3 11 7 15	5
ROW INDEX : r _k	0	-	2	က	4	2	9	7	∞	တ	10	Ξ	12	13	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	15
INTERIM ADDR. : IA _k	<u> </u>	Ξ	[2]	[3]	[4] [5]	[2]	[9]	[7]	<u>@</u> <u>6</u>	6	[10]	Ξ	[12] [13]	[13]	[0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [1] [5] [6]	[15]
COMP. FACTOR : C(r _k)	0	-	-		+	2	2	2	2	က	က	က	က	4	0 1 1 1 1 2 2 2 2 3 3 3 4 4 4	4
READ ADDR. : A _k	三三	[2]	[3]	[4]	[5] [6]	[7]	[8]	[6]	[10] [11]	[12]	[13]	[14]	[15] [16]	[17]	[0] [2] [3] [4] [5] [7] [8] [9] [10] [12] [13] [14] [15] [17] [18] [19] [1] [1]	[19]

FIG.7

EXAMPLE) m=4, J=2, and R=12

ROW INDEX	BEFORE ROW BRO	AFTER ROW BRO
0	0 16	0 16
1	1 17	8 24
2	2 18	4 20
3	3 19	12 28
4	4 20	2 18
5	5 21	10 26
6	6 22	6 22
7	7 23	14 30
8	8 24	1 17
9	9 25	9 25
10	10 26	5 21
11	11 27	13 29
12	12 28	3 19
13	13 29	11 27
14	14 30	7 23
15	15 31	15 31

FIG.8

31	5	[30]	ကို	[27]
7 23	4	[28] [29]	ကို	[25] [26]
11 27	13	[26] [27]	ကို	[23] [24]
3 19	12	[24] [25]	ر	[21] [22]
0 8 4 12 2 10 6 14 1 9 5 13 3 11 7 15 16 24 20 28 18 26 22 30 17 25 21 29 19 27 23 31	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	[0] [2] [4] [6] [8] [10][12][14][16][18] [20] [22] [24] [26] [28] [30] [1] [3] [5] [9] [11][13] [17][19] [21]	0 0 0 0 0 -1 -1 -1 -1 -2 -2 -2 -2 -3 -3 -3 -3	[0] [2] [4] [6] [7] [9] [11][13][14] [16] [18] [20] [21] [23] [25] [27] [1] [3] [5] [8] [10][12] [15] [17] [19]
5	10	[20] [21]	-5	[18] [19]
9 25	ნ	[18] [19]	-2	[16] [17]
1 7	∞	[16] [17]	-2	[14] [15]
30	7	[14]	T	[13]
6 22	9	[12] [13]	T	[11] [12]
10	5	[10] [11]	ī	[9] [10]
2 18	4	[8]	T	[7] [8]
12	က	[9]	0	[9]
4 20	2	[4] [5]	0	[4] [5]
8 24		[2] [3]	0	[2] [3]
0 16	0	Ξ	0	[0]
C.S. INDEX : k	ROW INDEX : r _k	INTERIM ADOR. : IA _k	COMP. FACTOR: C(r _k)	READ ADDR. : A _k

FIG.9

 $(N_{EP}=408, m=7, J=4)$ or $(N_{EP}=792, m=8, J=4)$ or $(N_{EP}=1560, m=9, J=4)$ or $(N_{EP}=3096, m=10, J=4)$ or $(N_{EP}=6168, m=11, J=4)$ or $(N_{EP}=12312, m=12, J=4)$ FOR THE CASE OF 400 322a r 402 404 326 406 BRO_m(k%2^m) k 3(=J-1) $C(r_k)$ **INTERIM ADDRESS** 412 **GENERATOR** 410 <u>320a</u> 414 $2^{m-5}-1$

FIG.10

ADDRESS COMPENSATOR

324a

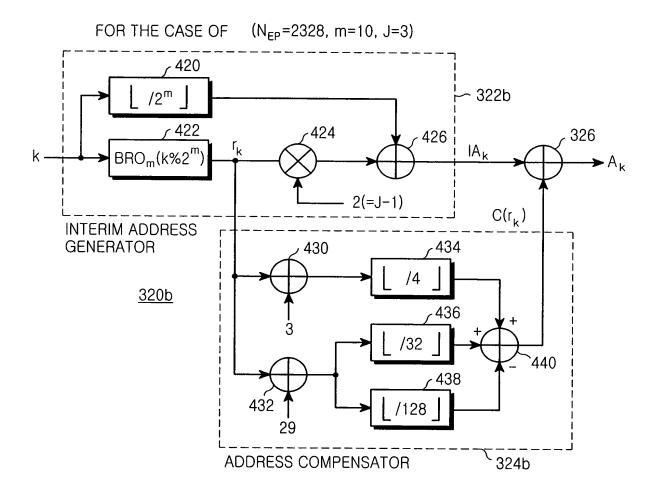


FIG.11

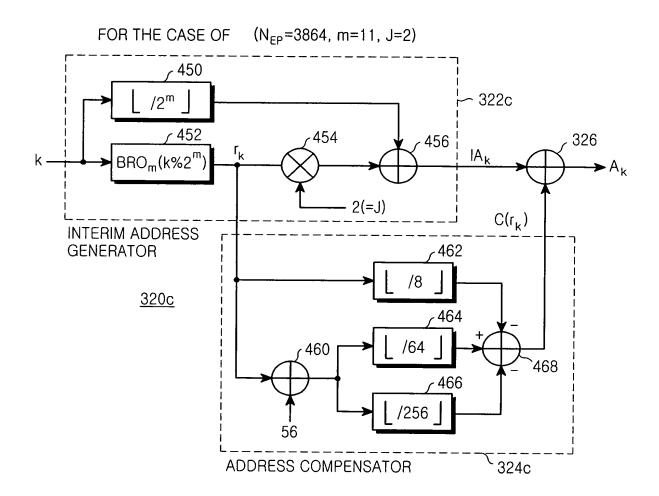


FIG.12

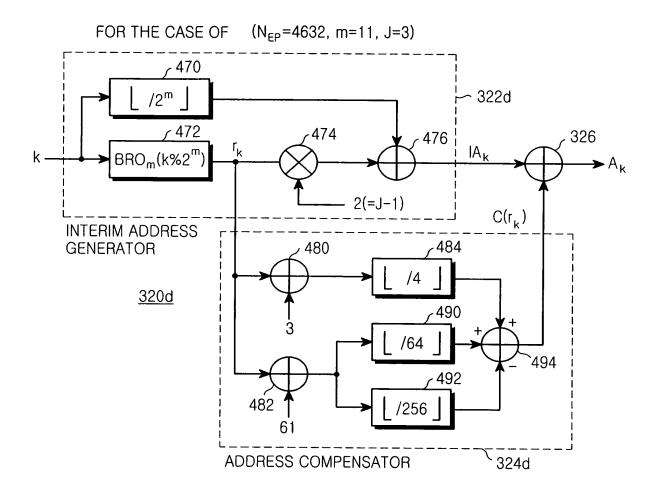


FIG.13

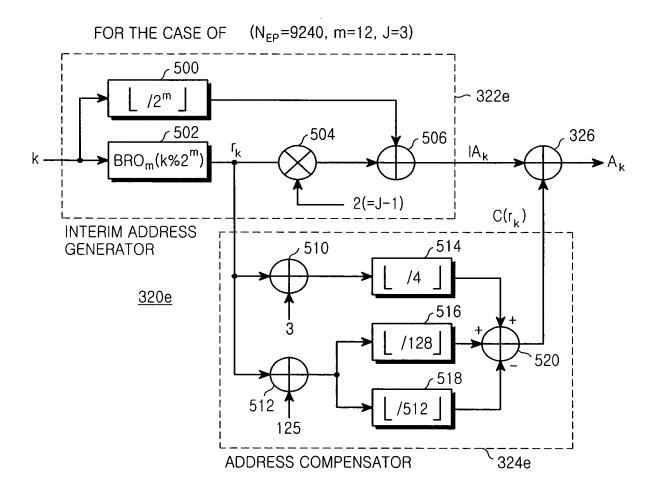


FIG.14

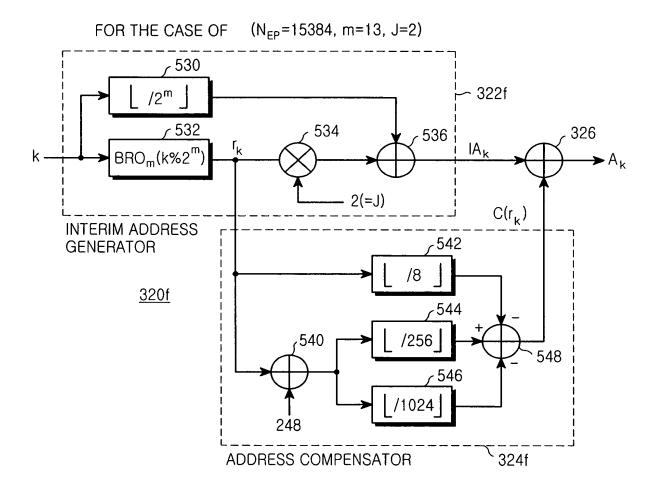


FIG.15